AMP-3IC6

THREE SOURCE SELF-AMPLIFIED SPEAKER

NON-AMPLIFIED SPEAKERS

LINE LEVEL
VOLUME CONTROL

AMP-3IC6

- Fits on the OWI IC6 In-ceiling Speakers
- Can effectively drive up to three additional Non-amplified Model IC6
- Up to 50 amplified speakers on one line
- Up to 25 watts of class AB power right at the speaker
- Lower noise feature
- Fast and easy install in the field
- 15 volt DC power supply included
- Protected from shorts and overheating
- Line level volume control available
- Speaker combination program available

Video Projector

Microphone

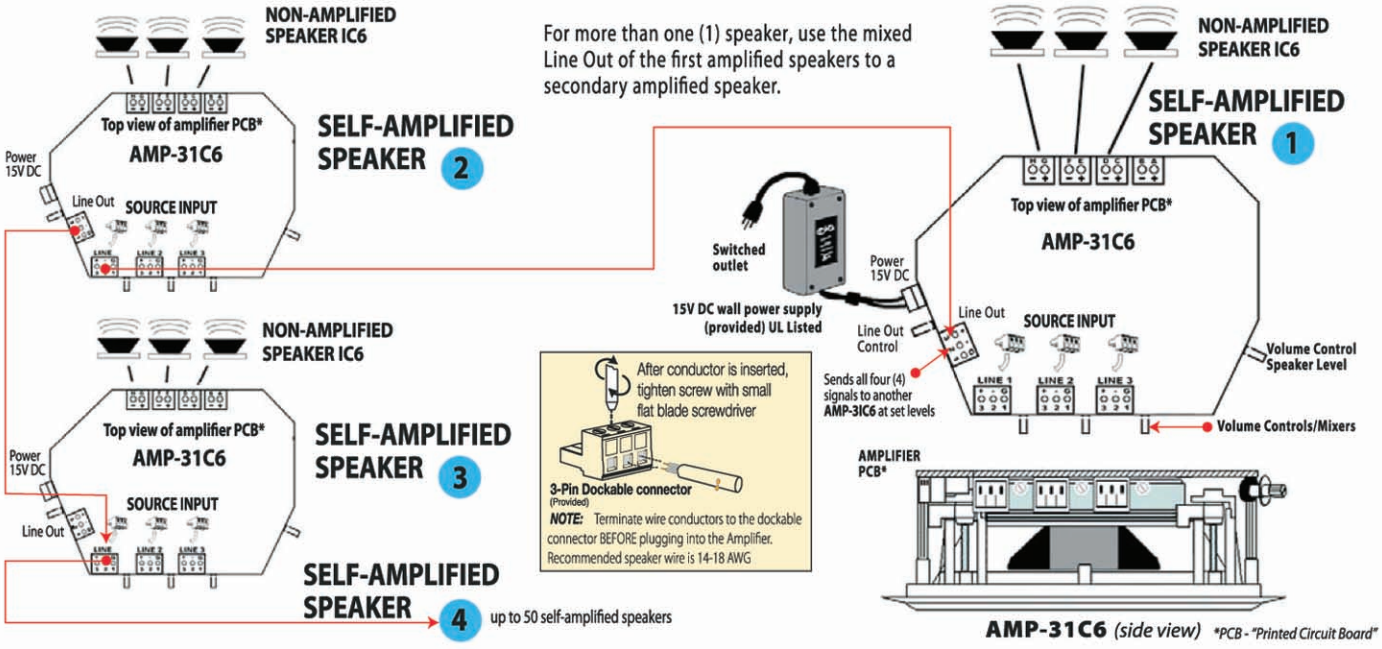
CD/Computer

OWI
ESTABLISHED 1978

AMP-31C6

ARCHITECTS AND ENGINEERS
SPECIFICATIONS/TECHNICAL DATA

THREE SOURCE SELF-AMPLIFIED SPEAKER TO SPEAKER WIRING DIAGRAM


NON-AMPLIFIED SPEAKER IC6
Top view of amplifier PCB*
AMP-31C6
Power 15V DC
Line Out
SOURCE INPUT
SELF-AMPLIFIED SPEAKER 2
NON-AMPLIFIED SPEAKER IC6
Top view of amplifier PCB*
AMP-31C6
Power 15V DC
SOURCE INPUT
Line Out
SELF-AMPLIFIED SPEAKER 3
SELF-AMPLIFIED SPEAKER 4
up to 50 self-amplified speakers
For more than one (1) speaker, use the mixed Line Out of the first amplified speakers to a secondary amplified speaker.
Switched outlet
15V DC wall power supply (provided) UL Listed
Power 15V DC
Line Out Control
Sends all four (4) signals to another AMP-31C6 at set levels
NON-AMPLIFIED SPEAKER IC6
SELF-AMPLIFIED SPEAKER 1
Top view of amplifier PCB*
AMP-31C6
Line Out
SOURCE INPUT
LINE 1
LINE 2
LINE 3
Volume Control Speaker Level
Volume Controls/Mixers
After conductor is inserted, tighten screw with small flat blade screwdriver
3-Pin Dockable connector
(Provided)
NOTE: Terminate wire conductors to the dockable connector BEFORE plugging into the Amplifier. Recommended speaker wire is 14-18 AWG
AMPLIFIER PCB*

AMP-31C6 *(side view)* **PCB - "Printed Circuit Board"*

GENERAL SPECIFICATIONS:

Frequency Response	50 Hz to 15kHz. HF is optimized to enhance frequency response of the speaker.
Total Harmonic Distortion (THD)	<.1%
Signal to Noise Ratio (S/N)	>90dB
Input Configuration	Differential (noise reducing)
Minimum Common Mode Rejection	40dB
Maximum Power Output	25watts
At load impedance	4 Ohms (2 speakers in parallel or 4 speakers in series parallel)
Maximum current protected	Yes
Short Circuit protected	Yes
One wire to ground protected	Yes
Minimum Load Impedance	3.2 Ohms
Input Load Impedance	10K Ohms
Maximum number of Amplifiers on one line	50
Power Supply	15Volts DC
Inputs	3 Balanced Line
Outputs	1 Balanced Line, 1 - 25 watt speaker
Controls	3 Input level Controls 1 Line out Level Control 1 Amplifier Master Gain Control
Outputs	4 Output Jacks allowing automatic correct wiring for series parallel connection by simply plugging each speaker (Model IC6) into its jack.
Heat sink	An oversize heat-sink is provided
High Voltage Protection	The highest voltage on the PCB is 15 volts
Plastic	The amplifier is protected against short and overheating
Available Backcan	Fire rated V-0
	UL Listed and Plenum rated, OWI Part# Backcan (Sold Separately)
Available Tile Bridge (Support Truss)	OWI Part # 6TB (Sold Separately)
Combination Program Available	Speakers and Accessories Combination Program
Warranty	1 year

RECOMMENDED ACCESSORIES:

OWI Incorporated
17141 Kingsview Avenue
Carson, CA 90746 USA
ph. 310.515.1900 | 800.638.1694
fx. 310.515.1606 | e. info@owi-inc.com
www.owi-inc.com

Backcan (BC)
UL Listed
Plenum Rated
Backcan required as per UL standard

Mono (AMP-MOVC)
Stereo (AMP-STVC)
Line Level Volume Control

Tile Bridge
Model 6TB

Stereo Combiner
(AMPSTCOMB)